

ABSTRACT OF THE DISCLOSURE

An automotive vehicle drive unit assembly which is located near the sides of a vehicle includes a first driving axle shaft, a second driving axle shaft, a first gear box, a second gear box, a first electric motor, and a second electric motor. The first driving axle shaft drives a first wheel hub of the vehicle and the second driving axle shaft drives a second wheel hub.

Together the first and second driving axle shafts define an axis of rotation about which the first and second wheel hubs rotate. The first gear set drives the first wheel and the second gear set drives the second wheel. A first electric motor is mounted in an angular relationship relative to the axis of rotation and drives the first gear set. A second electric motor is mounted in an angular relationship relative to the axis of rotation and drives the second gear set. A plurality of electric motors can be used to drive each wheel hub.

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